

RAW SEQUENCE LISTING DATE: 03/20/2001
PATENT APPLICATION: US/09/281,760C TIME: 18:10:58

Input Set : A:\Pto.amc
Output Set: N:\CRF3\03202001\I281760C.raw

```
3 <110> APPLICANT: Lawton, Robert
4     Mermer, Brion
5     Francoeur, Greg
8 <120> TITLE OF INVENTION: Specific Binding Protein for Treating
9     Canine Allergy
11 <130> FILE REFERENCE: 03604000200US01
13 <140> CURRENT APPLICATION NUMBER: 09/281,760C
14 <141> CURRENT FILING DATE: 1999-03-30
16 <150> PRIOR APPLICATION NUMBER: 09/058,331
17 <151> PRIOR FILING DATE: 1998-04-09
19 <160> NUMBER OF SEQ ID NOS: 32
21 <170> SOFTWARE: FastSEQ for Windows Version 3.0
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 5
25 <212> TYPE: PRT
26 <213> ORGANISM: Canis familiaris
28 <220> FEATURE:
29 <221> NAME/KEY: PEPTIDE
30 <222> LOCATION: (2)...(3)
31 <223> OTHER INFORMATION: Xaa = any amino acid
33 <400> SEQUENCE: 1
W--> 34   Leu Xaa Xaa Tyr Arg
35       1             5
37 <210> SEQ ID NO: 2
38 <211> LENGTH: 5
39 <212> TYPE: PRT
40 <213> ORGANISM: Canis familiaris
42 <220> FEATURE:
43 <221> NAME/KEY: PEPTIDE
44 <222> LOCATION: (3)...(4)
45 <223> OTHER INFORMATION: Xaa = Any amino acid
47 <400> SEQUENCE: 2
W--> 48   Tyr Arg Xaa Xaa Leu
49       1             5
51 <210> SEQ ID NO: 3
52 <211> LENGTH: 8
53 <212> TYPE: PRT
54 <213> ORGANISM: Canis familiaris
56 <220> FEATURE:
57 <221> NAME/KEY: PEPTIDE
58 <222> LOCATION: (2)...(3)
59 <223> OTHER INFORMATION: Xaa = Any amino acid
61 <221> NAME/KEY: PEPTIDE
62 <222> LOCATION: (6)...(7)
63 <223> OTHER INFORMATION: Xaa = Any amino acid
65 <400> SEQUENCE: 3
W--> 66   Leu Xaa Xaa Tyr Arg Xaa Xaa Leu
```

RAW SEQUENCE LISTING DATE: 03/20/2001
 PATENT APPLICATION: US/09/281,760C TIME: 18:10:58

Input Set : A:\Pto.amc
 Output Set: N:\CRF3\03202001\I281760C.raw

```

67   1           5
69 <210> SEQ ID NO: 4
70 <211> LENGTH: 7
71 <212> TYPE: PRT
72 <213> ORGANISM: Canis familiaris
74 <400> SEQUENCE: 4
75   Thr Leu Leu Glu Tyr Arg Met
76   1           5
78 <210> SEQ ID NO: 5
79 <211> LENGTH: 11
80 <212> TYPE: PRT
81 <213> ORGANISM: Canis familiaris
83 <400> SEQUENCE: 5
84   Gly Met Asn Leu Thr Trp Tyr Arg Glu Ser Lys
85   1           5           10
87 <210> SEQ ID NO: 6
88 <211> LENGTH: 9
89 <212> TYPE: PRT
90 <213> ORGANISM: Canis familiaris
92 <220> FEATURE:
93 <221> NAME/KEY: PEPTIDE
94 <222> LOCATION: (2)...(3)
95 <223> OTHER INFORMATION: Xaa = Any amino acid
97 <221> NAME/KEY: PEPTIDE
98 <222> LOCATION: (6)...(8)
99 <223> OTHER INFORMATION: Xaa = Any amino acid
101 <400> SEQUENCE: 6
W--> 102   Cys Xaa Xaa Pro His Xaa Xaa Xaa Cys
103   1           5
105 <210> SEQ ID NO: 7
106 <211> LENGTH: 16
107 <212> TYPE: PRT
108 <213> ORGANISM: Canis familiaris
110 <400> SEQUENCE: 7
111   Ser Val Thr Leu Cys Pro Asn Pro His Ile Pro Met Cys Gly Gly Gly
112   1           5           10           15
114 <210> SEQ ID NO: 8
115 <211> LENGTH: 14
116 <212> TYPE: PRT
117 <213> ORGANISM: Canis familiaris
119 <400> SEQUENCE: 8
120   Ser Ala Cys Pro Asn Pro His Asn Pro Tyr Cys Gly Gly Gly
121   1           5           10
123 <210> SEQ ID NO: 9
124 <211> LENGTH: 9
125 <212> TYPE: PRT
126 <213> ORGANISM: Canis familiaris
128 <220> FEATURE:
129 <221> NAME/KEY: PEPTIDE

```

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/281,760C

DATE: 03/20/2001
 TIME: 18:10:58

Input Set : A:\Pto.amc
 Output Set: N:\CRF3\03202001\I281760C.raw

```

130 <222> LOCATION: (2)...(2)
131 <223> OTHER INFORMATION: Xaa = Any amino acid
133 <221> NAME/KEY: PEPTIDE
134 <222> LOCATION: (5)...(5)
135 <223> OTHER INFORMATION: Xaa = Any amino acid
137 <221> NAME/KEY: PEPTIDE
138 <222> LOCATION: (7)...(8)
139 <223> OTHER INFORMATION: Xaa = Any amino acid
141 <400> SEQUENCE: 9
W--> 142 Cys Xaa Pro His Xaa Pro Xaa Xaa Cys
143 1 5
145 <210> SEQ ID NO: 10
146 <211> LENGTH: 14
147 <212> TYPE: PRT
148 <213> ORGANISM: Canis familiaris
150 <400> SEQUENCE: 10
151 Ser Ala Cys His Pro His Leu Pro Lys Ser Cys Gly Gly Gly
152 1 5 10
154 <210> SEQ ID NO: 11
155 <211> LENGTH: 12
156 <212> TYPE: PRT
157 <213> ORGANISM: Canis familiaris
159 <400> SEQUENCE: 11
160 Val Thr Leu Cys Pro Asn Pro His Ile Pro Met Cys
161 1 5 10
163 <210> SEQ ID NO: 12
164 <211> LENGTH: 17
165 <212> TYPE: PRT
166 <213> ORGANISM: Canis familiaris
168 <400> SEQUENCE: 12
169 Ser Val Thr Leu Cys Pro Asn Pro His Ile Pro Met Cys Gly Gly Gly
170 1 5 10 15
171 Lys
174 <210> SEQ ID NO: 13
175 <211> LENGTH: 7
176 <212> TYPE: PRT
177 <213> ORGANISM: Homo sapiens
179 <400> SEQUENCE: 13
180 Val Asn Leu Thr Trp Ser Arg
181 1 5
183 <210> SEQ ID NO: 14
184 <211> LENGTH: 11
185 <212> TYPE: PRT
186 <213> ORGANISM: Felis catus
188 <400> SEQUENCE: 14
189 Gly Met Thr Leu Thr Trp Ser Arg Glu Asn Gly
190 1 5 10
192 <210> SEQ ID NO: 15
193 <211> LENGTH: 11

```

RAW SEQUENCE LISTING DATE: 03/20/2001
PATENT APPLICATION: US/09/281,760C TIME: 18:10:59

Input Set : A:\Pto.amc
Output Set: N:\CRF3\03202001\I281760C.raw

194 <212> TYPE: PRT
195 <213> ORGANISM: Canis familiaris
197 <400> SEQUENCE: 15
198 Gly Met Asn Leu Thr Trp Ser Arg Glu Ser Lys
199 1 5 10
201 <210> SEQ ID NO: 16
202 <211> LENGTH: 9
203 <212> TYPE: PRT
204 <213> ORGANISM: Canis familiaris
206 <400> SEQUENCE: 16
207 Cys Pro Asn Pro His Ile Pro Met Cys
208 1 5
210 <210> SEQ ID NO: 17
211 <211> LENGTH: 9
212 <212> TYPE: PRT
213 <213> ORGANISM: Canis familiaris
215 <400> SEQUENCE: 17
216 Cys Pro Asn Pro His Asn Pro Tyr Cys
217 1 5
219 <210> SEQ ID NO: 18
220 <211> LENGTH: 9
221 <212> TYPE: PRT
222 <213> ORGANISM: Canis familiaris
224 <400> SEQUENCE: 18
225 Cys His Pro His Leu Pro Lys Ser Cys
226 1 5
228 <210> SEQ ID NO: 19
229 <211> LENGTH: 9
230 <212> TYPE: PRT
231 <213> ORGANISM: Canis familiaris
233 <400> SEQUENCE: 19
234 Cys Ser Asn Pro His Val Thr His Cys
235 1 5
237 <210> SEQ ID NO: 20
238 <211> LENGTH: 9
239 <212> TYPE: PRT
240 <213> ORGANISM: Canis familiaris
242 <400> SEQUENCE: 20
243 Cys Ser His Pro His Leu Thr His Cys
244 1 5
246 <210> SEQ ID NO: 21
247 <211> LENGTH: 9
248 <212> TYPE: PRT
249 <213> ORGANISM: Canis familiaris
251 <400> SEQUENCE: 21
252 Cys Ser Asn Pro His Ile Thr Gln Cys
253 1 5
255 <210> SEQ ID NO: 22
256 <211> LENGTH: 9

RAW SEQUENCE LISTING DATE: 03/20/2001
 PATENT APPLICATION: US/09/281,760C TIME: 18:10:59

Input Set : A:\Pto.amc
 Output Set: N:\CRF3\03202001\I281760C.raw

```

257 <212> TYPE: PRT
258 <213> ORGANISM: Canis familiaris
260 <400> SEQUENCE: 22
261 Cys Met Asn Pro His Ile Thr His Cys
262   1                               5
264 <210> SEQ ID NO: 23
265 <211> LENGTH: 9
266 <212> TYPE: PRT
267 <213> ORGANISM: Canis familiaris
269 <400> SEQUENCE: 23
270 Cys Thr Asn Pro His Asn Pro Tyr Cys
271   1                               5
273 <210> SEQ ID NO: 24
274 <211> LENGTH: 9
275 <212> TYPE: PRT
276 <213> ORGANISM: Canis familiaris
278 <400> SEQUENCE: 24
279 Cys Pro Asn Pro His Asn Pro Tyr Cys
280   1                               5
282 <210> SEQ ID NO: 25
283 <211> LENGTH: 9
284 <212> TYPE: PRT
285 <213> ORGANISM: Canis familiaris
287 <400> SEQUENCE: 25
288 Cys His Pro His Leu Pro Lys Arg Cys
289   1                               5
291 <210> SEQ ID NO: 26
292 <211> LENGTH: 17
293 <212> TYPE: PRT
294 <213> ORGANISM: Canis familiaris
296 <400> SEQUENCE: 26
297 Tyr Cys Arg Val Thr His Pro His Leu Pro Lys Asp Ile Val Arg Ser
298   1                               5              10              15
299 Ile
302 <210> SEQ ID NO: 27
303 <211> LENGTH: 17
304 <212> TYPE: PRT
305 <213> ORGANISM: Homo sapiens
307 <400> SEQUENCE: 27
308 Gln Cys Arg Val Thr His Pro His Leu Pro Arg Ala Leu Met Arg Ser
309   1                               5              10              15
310 Thr
313 <210> SEQ ID NO: 28
314 <211> LENGTH: 17
315 <212> TYPE: PRT
316 <213> ORGANISM: Cercopithecus aethiops
318 <400> SEQUENCE: 28
319 Gln Cys Arg Val Thr His Pro His Leu Pro Arg Ala Leu Val Arg Ser
320   1                               5              10              15

```

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/281,760C

DATE: 03/20/2001

TIME: 18:11:00

Input Set : A:\Pto.amc

Output Set: N:\CRF3\03202001\I281760C.raw

L:34 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:48 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:66 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:102 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:142 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9